FT10-RT433-RHT

Wireless humidity and temperature transmitter

Transmitter is splash water resistant and it can be placed directly into the measurement location with no extra cabling.

This completely new and innovative wireless temperature and humidity transmitter is perfectly suited for even the most challenging self-surveillance targets.

It consists of two parts - the radio transmitter and the measuring module - that are watertightly connected together.

The measuring module FT10-RHT is easily and quickly user-replaceable with a recalibrated measuring module to enable easy, economical and non-interrupting recalibration of the whole temperature surveillance system.

The device is certified to fulfill the requirements of EN13485 standard, so it can be used to monitor the temperatures and humidity's of foodstuffs storage facilities.

The radio transmitter FT10-RT433 is equipped with an efficient 433.92 MHz radio transmitter and with a detachable quarter-wave whip antenna. This enables transmissions out of closed steel cabinets and other difficult targets. Carefully designed electronics still enable the battery to last longer than the usual two-year recalibration period. The battery is always replaced during the factory recalibration so the user need not worry about replacing the batteries!

Input details	
inputs	Temperature: Pt100
	Relative humidity
accuracy	Pt100: ±0.5°C (-30...+50°C)
	Humidity: typ. ±3 %RH over 0..+50 °C
input channels	2
measuring range	-30...+60°C
	0...100 %RH non-condensing

Radio details	
transmission interval	5 s... 5 min
coverage range	open space up to 1000 m

Output details	
output channels	2
outputs	433 MHz radio signal

Connection details	
programming	MekuWin or 6790

Power supply	
supply voltage	Battery: 1.5 V AA alkaline
battery life	Over 3 years (80 s transmission interval)

General information	
maximum ambient temperature	60°C
minimum ambient temperature	-30 °C
case material	plastic (PC and ABC+PC)
protection class	IP40
approvals	CE and EN13485